

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

```
SQL> cl scr
```

```
SQL> UPDATE Emp
  2 SET Sal = Sal + 1000
  3 WHERE Deptno = 30
  4
SQL> SELECT * FROM Emp;
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL
COMM	DEPTNO				
	7839	KING		17-NOV-81	5000
10					
	7698	BLAKE	7839	01-MAY-81	2850
30					
	7782	CLARK	7839	09-JUN-81	2450
10					
	7566	JONES	7839	02-APR-81	2975
20					
	7654	MARTIN	7698	28-SEP-81	1250
1400	30				
	7499	ALLEN	7698	20-FEB-81	1600
300	30				
	7844	TURNER	7698	08-SEP-81	1500
0	30				
	7900	JAMES	7698	03-DEC-81	950
30					
	7521	WARD	7698	22-FEB-81	1250
500	30				
	7902	FORD	7566	03-DEC-81	3000
20					
	7369	SMITH	7902	17-DEC-80	800
20					
	7788	SCOTT	7566	09-DEC-82	3000
20					
	7876	ADAMS	7788	12-JAN-83	1100
20					
	7934	MILLER	7782	23-JAN-82	1300
10					

```
14 rows selected.
```

```
SQL> SELECT Ename, Deptno, Sal, HireDate
  2 FROM Emp
  3 WHERE Deptno = 20;
```

ENAME	DEPTNO	SAL	HIREDATE
-------	--------	-----	----------

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```
-----
JONES          20          2975 02-APR-81
FORD           20          3000 03-DEC-81
SMITH          20           800 17-DEC-80
SCOTT          20          3000 09-DEC-82
ADAMS          20          1100 12-JAN-83
```

SQL> cl scr

SQL> SELECT * FROM Dept;

```
-----
DEPTNO DNAME          LOC
-----
10 ACCOUNTING        NEW YORK
20 RESEARCH          DALLAS
30 SALES              CHICAGO
40 OPERATIONS         BOSTON
```

SQL> INSERT INTO Dept
2 VALUES(50, 'SHIPPING', 'CHENNAI');

1 row created.

SQL> ROLLBACK;

Rollback complete.

SQL> BEGIN
2 INSERT INTO Dept
3 VALUES(50, 'SHIPPING', 'CHENNAI');
4 END;
5 /

PL/SQL procedure successfully completed.

SQL> ROLLBACK;

Rollback complete.

SQL> DECLARE
2 V_Deptno Dept.Deptno%TYPE := &GDeptno;
3 V_Dname Dept.Dname%TYPE := UPPER('&GDname');
4 V_Loc Dept.Loc%TYPE := UPPER('&GLoc');
5 BEGIN
6 SELECT MAX(Deptno) INTO V_Deptno
7 FROM Dept
8 ;
9 IF V_Deptno IS NOT NULL

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```
10 THEN
11 V_Deptno := V_Deptno + 10;
12 ELSE
13 V_Deptno := 10;
14 END IF;
15 INSERT INTO Dept
16 VALUES(V_Deptno, V_Dname, V_Loc);
17 IF SQL%FOUND THEN
18 DBMS_OUTPUT.PUT_LINE(SQL%ROWCOUNT||' Record Inserted');
19 DBMS_OUTPUT.PUT_LINE('Insert is Successful...');
20 DBMS_OUTPUT.PUT_LINE('The New Record is : '||V_Deptno||',
'||V_Dname||', '||V_Loc);
21 ELSE
22 DBMS_OUTPUT.PUT_LINE(SQL%ROWCOUNT||' Record Inserted');
23 DBMS_OUTPUT.PUT_LINE('Insert is Failed');
24 END IF;
25 END;
26 .
SQL> ED
Wrote file afiedt.buf
```

```
1 DECLARE
2 V_Deptno Dept.Deptno%TYPE;
3 V_Dname Dept.Dname%TYPE := UPPER('&GDname');
4 V_Loc Dept.Loc%TYPE := UPPER('&GLoc');
5 BEGIN
6 SELECT MAX(Deptno) INTO V_Deptno
7 FROM Dept;
8 IF V_Deptno IS NOT NULL
9 THEN
10 V_Deptno := V_Deptno + 10;
11 ELSE
12 V_Deptno := 10;
13 END IF;
14 INSERT INTO Dept
15 VALUES(V_Deptno, V_Dname, V_Loc);
16 IF SQL%FOUND THEN
17 DBMS_OUTPUT.PUT_LINE(SQL%ROWCOUNT||' Record Inserted');
18 DBMS_OUTPUT.PUT_LINE('Insert is Successful...');
19 DBMS_OUTPUT.PUT_LINE('The New Record is : '||V_Deptno||',
'||V_Dname||', '||V_Loc);
20 ELSE
21 DBMS_OUTPUT.PUT_LINE(SQL%ROWCOUNT||' Record Inserted');
22 DBMS_OUTPUT.PUT_LINE('Insert is Failed');
23 END IF;
24* END;
SQL> /
Enter value for gdbname: Shipping
```

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```
Enter value for gloc: Mumbai
1 Record Inserted
Insert is Successful...
The New Record is : 50, SHIPPING, MUMBAI
```

PL/SQL procedure successfully completed.

```
SQL> /
Enter value for gdbname: Cargo
Enter value for gloc: Chennai
1 Record Inserted
Insert is Successful...
The New Record is : 60, CARGO, CHENNAI
```

PL/SQL procedure successfully completed.

```
SQL> ROLLBACK;
```

Rollback complete.

```
SQL> SELECT * FROM Dept;
```

DEPTNO	DNAME	LOC
10	ACCOUNTING	NEW YORK
20	RESEARCH	DALLAS
30	SALES	CHICAGO
40	OPERATIONS	BOSTON

```
SQL> UPDATE Dept
2 SET Loc = 'CHENNAI'
3 WHERE Deptno = 40;
```

1 row updated.

```
SQL> ROLLBACK;
```

Rollback complete.

```
SQL> BEGIN
2 V_Deptno Dept.Deptno%TYPE := &GDeptno;
3 V_Loc Dept.Loc%TYPE := UPPER('&GLoc');
4 BEGIN
5 UPDATE Dept
6 SET Loc = V_Loc
7 WHERE Deptno = V_Deptno;
8 IF SQL%FOUND THEN
9 DBMS_OUTPUT.PUT_LINE(SQL%ROWCOUNT||' Record Updated');
```

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```
10 DBMS_OUTPUT.PUT_LINE('Update For Department '||V_Deptno||' is
Successfull');
11 ELSE
12 DBMS_OUTPUT.PUT_LINE(SQL%ROWCOUNT||' Record(s) Updated');
13 DBMS_OUTPUT.PUT_LINE('Update For Department '||V_Deptno||'
Failed.');
```

```
14 END IF;
15 END;
16 /
Enter value for gdeptno: 40
Enter value for gloc: Chennai
V_Deptno Dept.Deptno%TYPE := 40;
```

```
*
ERROR at line 2:
ORA-06550: line 2, column 10:
PLS-00103: Encountered the symbol "DEPT" when expecting one of the
following:
:= . ( @ % ;
The symbol ":" was substituted for "DEPT" to continue.
ORA-06550: line 2, column 27:
PLS-00103: Encountered the symbol "=" when expecting one of the
following:
. ( * @ % & = - + ; < / > at in is mod remainder not rem
<an exponent (**)> <> or != or ~= >= <= <> and or like LIKE2_
LIKE4_ LIKEC_ between || multiset
```

```
SQL> ED
Wrote file afiedt.buf
```

```
1 DECLARE
2 V_Deptno Dept.Deptno%TYPE := &GDeptno;
3 V_Loc Dept.Loc%TYPE := UPPER('&GLoc');
4 BEGIN
5 UPDATE Dept
6 SET Loc = V_Loc
7 WHERE Deptno = V_Deptno;
8 IF SQL%FOUND THEN
9 DBMS_OUTPUT.PUT_LINE(SQL%ROWCOUNT||' Record Updated');
10 DBMS_OUTPUT.PUT_LINE('Update For Department '||V_Deptno||' is
Successfull');
```

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```
Enter value for gdeptno: 40
Enter value for gloc: Chennai
1 Record Updated
Update For Department 40 is Successfull
```

PL/SQL procedure successfully completed.

```
SQL> /
Enter value for gdeptno: 90
Enter value for gloc: Delhi
0 Record(s) Updated
Update For Department 90 Failed.
```

PL/SQL procedure successfully completed.

```
SQL> ROLLBACK;
```

Rollback complete.

```
SQL> ED
Wrote file afiedt.buf
```

```
1  DECLARE
2  V_Deptno Dept.Deptno%TYPE := &GDeptno;
3  BEGIN
4  DELETE Dept
5  WHERE Deptno = V_Deptno;
6  IF SQL%FOUND THEN
7  DBMS_OUTPUT.PUT_LINE(SQL%ROWCOUNT||' Record Deleted');
8  DBMS_OUTPUT.PUT_LINE('Delete For Department '||V_Deptno||' is
Successfull');
9  ELSE
10 DBMS_OUTPUT.PUT_LINE(SQL%ROWCOUNT||' Record(s) Deleted');
11 DBMS_OUTPUT.PUT_LINE('Delete For Department '||V_Deptno||'
Failed.');
```

```
12 END IF;
13* END;
SQL> /
Enter value for gdeptno: 40
1 Record Deleted
Delete For Department 40 is Successfull
PL/SQL procedure successfully completed.
```

```
SQL> /
Enter value for gdeptno: 90
0 Record(s) Deleted
Delete For Department 90 Failed.
```

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PL/SQL procedure successfully completed.

SQL> /

Enter value for gdeptno: 30

DECLARE

*

ERROR at line 1:

ORA-02292: integrity constraint (SCOTT.EMP_FOREIGN_KEY) violated - child record found

ORA-06512: at line 4

SQL> ROLLBACK;

Rollback complete.

SQL> ED

Wrote file afiedt.buf

```
1  DECLARE
2  V_Deptno Dept.Deptno%TYPE := &GDeptno;
3  V_Child_Status NUMBER;
4  BEGIN
5  SELECT COUNT(*) INTO V_Child_Status
6  FROM Emp
7  WHERE Deptno = V_Deptno;
8  IF V_Child_Status > 0 THEN
9  DBMS_OUTPUT.PUT_LINE('Child Records Have Been Found...');
10 DBMS_OUTPUT.PUT_LINE('The Number of Dependencies Are :
'||V_Child_Status);
11 DBMS_OUTPUT.PUT_LINE('Deletion of Department Number '||V_Deptno||'
Cannot Continue Till The Dependents Are Not Deleted OR Adjusted For
Orphan Records.');
```

```
12 ELSE
13 DELETE Dept
14 WHERE Deptno = V_Deptno;
15 IF SQL%FOUND THEN
16 DBMS_OUTPUT.PUT_LINE(SQL%ROWCOUNT||' Record Deleted');
17 DBMS_OUTPUT.PUT_LINE('Delete For Department '||V_Deptno||' is
Successfull');
```

```
18 ELSE
19 DBMS_OUTPUT.PUT_LINE(SQL%ROWCOUNT||' Record(s) Deleted');
```

```
20 DBMS_OUTPUT.PUT_LINE('Delete For Department '||V_Deptno||'
Failed.');
```

```
21 END IF;
22 END IF;
23* END;
```

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```
SQL> /
Enter value for gdeptno: 30
Child Records Have Been Found...
The Number of Dependencies Are : 6
Deletion of Department Number 30 Cannot Continue Till The Dependents Are
Not Deleted OR Adjusted For Orphan Records.
```

PL/SQL procedure successfully completed.

```
SQL> /
Enter value for gdeptno: 40
1 Record Deleted
Delete For Department 40 is Successfull
```

PL/SQL procedure successfully completed.

```
SQL> /
Enter value for gdeptno: 90
0 Record(s) Deleted
Delete For Department 90 Failed.
```

PL/SQL procedure successfully completed.

```
SQL> SPPOOL OFF
```

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